

*K "**EQUINE FL 3011
Reports
Rak*APQ-56 Improvement Program

June 4, 1957

SYSTEM

XH-2 4.16 R. F. High Voltage Power Supply - [] STAT

XH-3

NAVY

The Rexolite box that was used in the thermal shock test was recemented so that an electrical characteristic check can be made on the vinyl silicone material which we are planning to use as a low insulating filler inside of the Rexolite box housing the high voltage components of the supply. In the meantime a cement recommended by the manufacturers of the Rexolite material is being shipped to us for our application.

All 6.23 P. E. Cell - [] STAT

Three P. E. Cell Test Sets have been built and tested. The set to go to IRC is ready for shipment. The one to go to Incoming Inspection is ready to be given to them. The rough draft of the Test Specification (T-612041) for the P. E. Cell 595R017H01 (IRC Type B10-M) has just come from typing today.

Time 13.23 AGC - Friedmann, [] STAT
Shared

Design a new AGC that will be less susceptible to r-f interference and to stray audio pickup.

Drafting is correcting the finished drawings of the new AGC.

All 22.13 [] 25X1

LEGEND		SYSTEMS																				REMARKS														
		TIME SHARED		XH-2		XH-3		NAVY		XH-1																										
KIT NO.	DESCRIPTION	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	01	02	03	04	05	01	02	03	04	05	06	07	08	09	10	HEMIS		
1	Recorder Cooler	S	S	S	S	S	S	S	S	*3	*3	S	S	S	S	S	BIP	I	I	I	S	I	In New Design	N/A												
2	Camera Cooling	I	I	S	S	S	S	S	S	I	I	S	S	S	S	S	BIP	I	I	*S	S	S	I	N/A	I	N/A										
3	Camera Servo Motors	S	S	S	S	S	S	S	I	DIFFERENT DESIGN														I	I	S	S	S	S	S	S	S	S			
4	Focus & Alignment Fixture	S	S	S	S	S	S	S	I	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	I	I	S	S	S	I	BIP	NA	NA									
5	Recorder 10 KV Power Supply	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	BIP	S	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
6	Power Supply Protection for 2 KV	S	S	S	S	S	S	S	I	S	S	S	S	S	S	S	S	BIP	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	
7	Power Supply Protection for Rear Antenna Feed	S	S	S	S	S	S	S	I	S	S	S	S	S	S	S	S	BIP	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	
8	Control Panel to Prevent Synchro Damage	S	S	S	S	S	S	S	I	S	S	S	S	S	S	S	S	BIP	I	I	I	S	I	I	I	I	I	I	I	I	I	I	I	I	I	I
9	Synchronizer - Replace Clutch in Alt. Servo.	S	S	S	S	S	S	S	I	S	S	S	S	S	S	S	S	BIP	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	
10	Power Supply Decrease 400 V Ripple	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	BIP	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	
11	Maggie Seal	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	BIP	I	I	I	S	I	I	I	I	I	I	I	I	I	I	I	I	I	I
12	Ant. System Adjust Angle of Pod	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	BIP	BIP	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
13	Ground Range Sweep Add Clamping Circuit	S	S	S	S	S	S	S	I	S	S	S	S	S	S	S	S	BIP	BIP	BIP	I	I	S	I	I	I	I	I	I	I	I	I	I	I	I	I
14	Cabling Accessories and Insulators	S	S	S	S	S	S	S	I	S	S	S	S	S	S	S	S	BIP	BIP	BIP	I	I	S	I	I	I	I	I	I	I	I	I	I	I	I	I
15	V/3 ADC Clamp Video Amp.	I	I	S	S	S	S	S	S	S	S	S	S	S	S	S	S	BIP	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	
16	Name Plates Replace Temporary	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	S	S	S	S	S	S	S	S	S	S	S	S				
17	Cooling Fin Maggie & Glycerin	S	S	S	S	S	S	S	I	S	S	S	S	S	S	S	S	BIP	I	I	S	S	S	I	I	I	I	I	I	I	I	I	I	I	I	
18	Trigger Circuit (Overload at Turn-On)	I	I	S	S	S	S	S	S	S	S	S	S	S	S	S	S	BIP	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	
19	Rectifier R.F. Head	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	BIP	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
20	Recorder Metal Shield	I	I	I	S	S	S	S	S	S	S	S	S	S	S	S	S	BIP	I	I	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	